



**APC**  
**American Photonics**  
*Solutions through technology.*

**MADE IN AMERICA**

## **Infrared Optics**

American Photonics provides solutions through technology for Commercial, Industrial and Military markets. APC manufactures precision infrared laser optics such as lenses, mirrors, windows, domes and optical assemblies. APC can produce complex medical and commercial optical assemblies as well as highly technical components used on range finders, laser radars, missile guidance, laser communications, aerospace, medical radiology, high-power electronics, thermo electronics and many other customized high power applications.

APC's commitment to continuous improvement means your unique specifications are met on time with contractor confidence and completely compliant high quality parts.

### **Benefits of buying from APC:**

- Made in the USA
- Production done 100% in-house
- Competitive costs
- Partner approach to designing and making your parts
- In-house quality control
- Tight tolerances
- Documentation of all production processes
- Completely compliant

*For more information regarding APC's infrared laser optics solutions, products for high power systems, or custom projects for military needs, please contact our sales team.*

Email: [sales@americanphotonics.com](mailto:sales@americanphotonics.com)

Web: [www.americanphotonics.com](http://www.americanphotonics.com)

**Phone: 941-752-5811**





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## Infrared Optics



**CNC Optic Fabrication** - APC incorporates CNC methods for both spherical curves and double sided flats, and also conventional polishing spindles for special size parts and generated blanks in Zinc Selenide (ZnSe), Multispectral Zinc Sulfide (ZnS MS), Germanium (Ge), Silicon (Si) and Gallium Arsenide (GaAs).



**Thin Film Coating** - APC has built state of the art chambers in a clean room that consistently produces high quality infrared coatings for  $1\mu\text{m}$  to  $12\mu\text{m}$ . These coatings are used on lenses, windows, partial reflectors, high reflectors, beam splitters and beam combiners.



**Optical Design & Engineering** - APC utilizes the state of the art measurement devices to insure accuracy and precision. We use the latest in design software to engineer precision optics for all applications.



**Optical Assembly** - APC has uniquely designed mounting and assembly stations to provide optical assemblies that are free from stress, scratches and are leak and optically tested.



**Optics Powered by Dow** - APC uses only the highest quality US grown Zinc Selenide (ZnSe) to ensure high quality, fast delivery and high performance.

